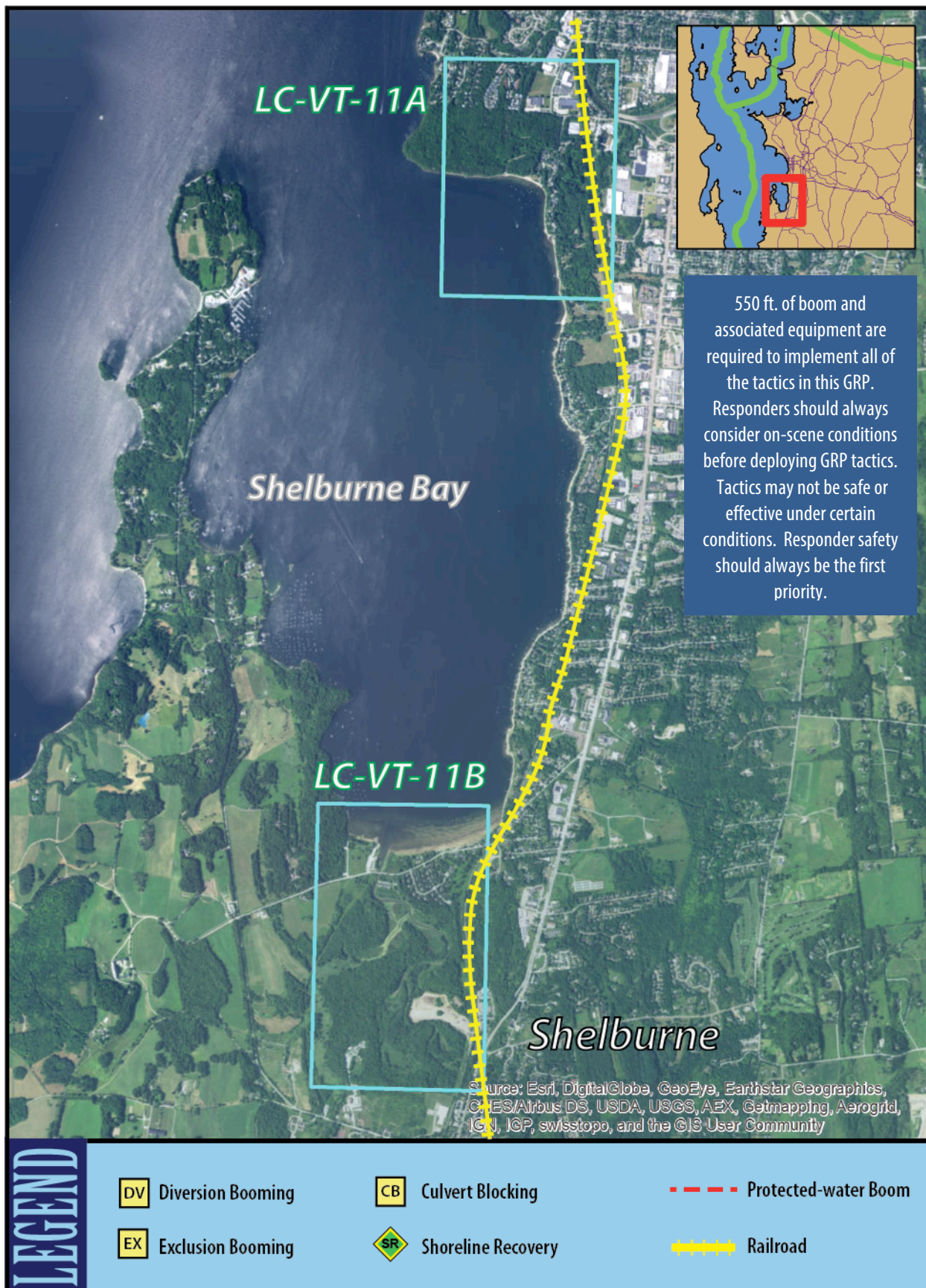




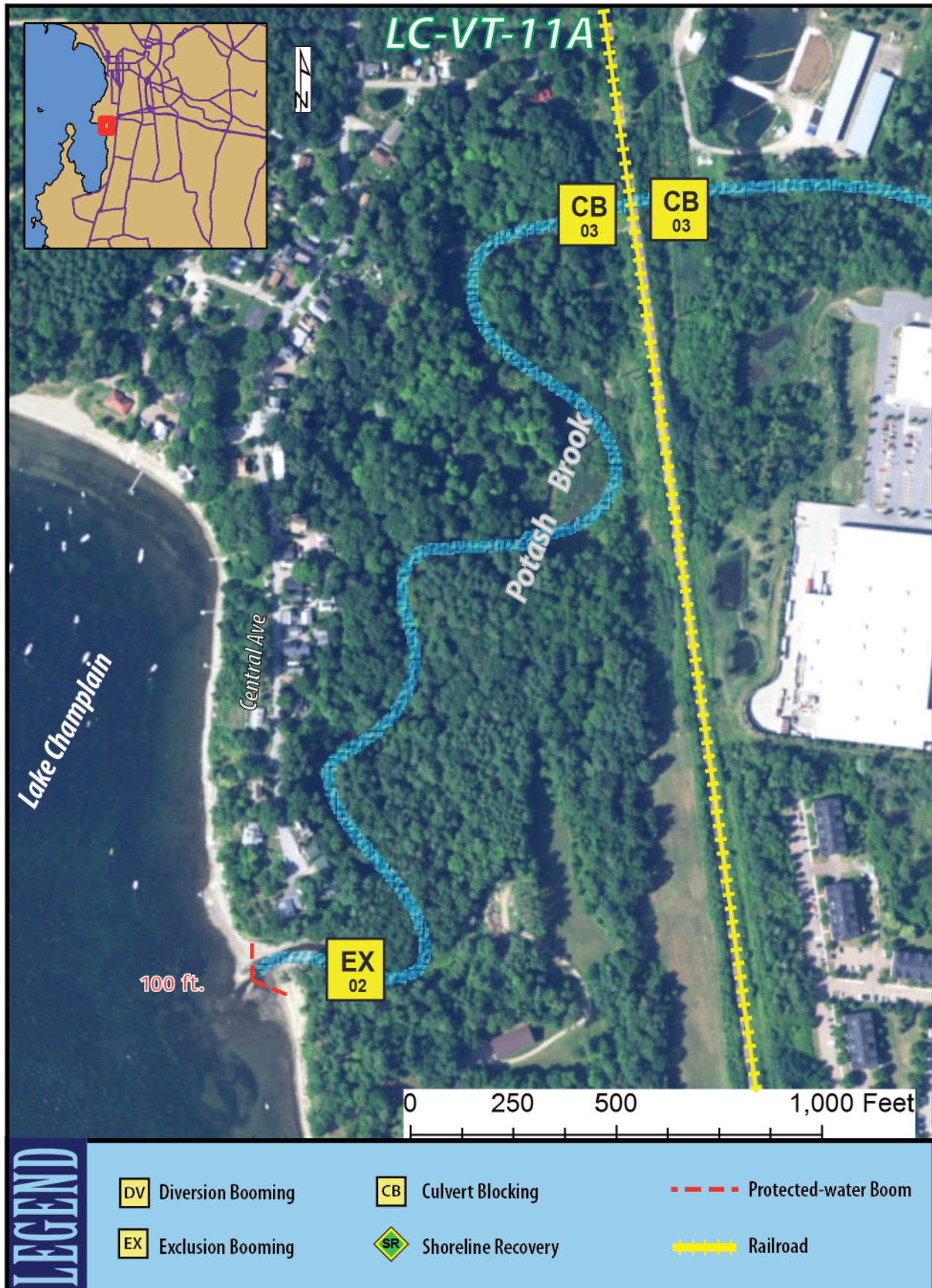
Lake Champlain Geographic Response Plan Shelburne LC-VT-11





Lake Champlain Geographic Response Plan

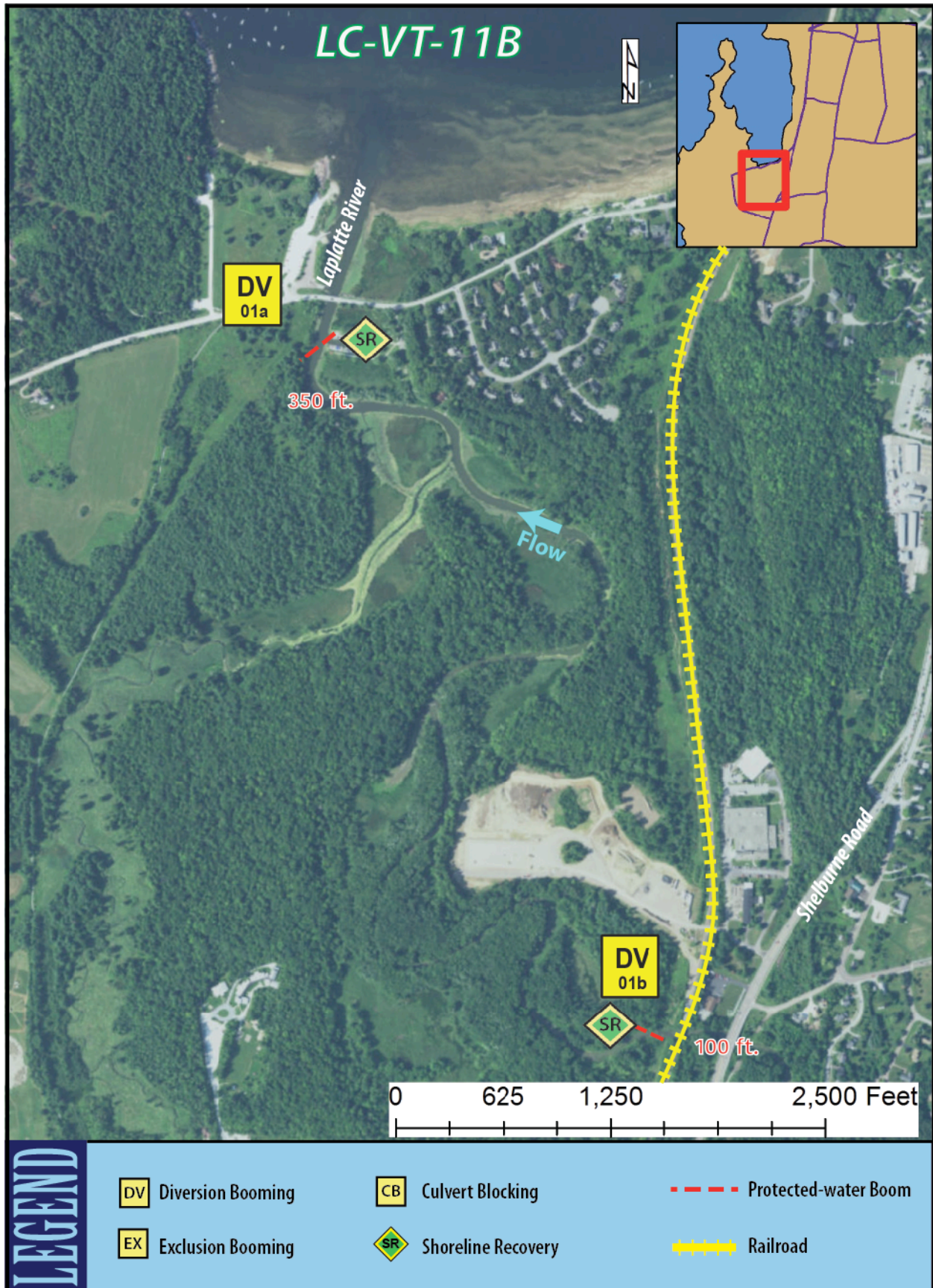
Shelburne LC-VT-11





Lake Champlain Geographic Response Plan

Shelburne LC-VT-11





Lake Champlain Geographic Response Plan

Shelburne LC-VT-11



ID	Location and Description	Response Strategy	Implementation
LC-11-01 DV	Missisquoi River a.) Shelburne Bay Boat Club – Lat. 44°23'51.31"N Lon. 73°14'4.97"W b.) Route /RR crossing – Lat. 44°23'12.84"N Lon. 73°13'36.77"W	Divert and Collect – Shoreside Divert incoming oil to shoreside recovery locations to protect Shelburne Bay, Lake Champlain, and surrounding environment.	Deploy anchors and boom with skiffs. For (a) Deploy 350 ft. of 12” – 18” boom at the proper angle to divert incoming oil to the collection site. For (b) Deploy 100 ft. of 12” – 18” boom in a single leg at the proper angle to divert incoming oil to the collection site.
LC-11-02 EX	Potash Brook Lat. 44°26'19.73"N Lon. 73°13'13.50"W	Exclusion Set boom across entrances to creeks, inlets, coves and near water treatment facilities to prevent oil from migrating into sensitive areas and critical infrastructure. Adjust the angle and length of boom depending on oil trajectory, river flow rate, and wind.	Deploy 100 ft of 12” – 18” boom as depicted to prevent oil from migrating into Shelburne Bay, Lake Champlain, and surrounding environment. Secure with anchor stakes on shore and anchors in midstream. Deploy passive recovery using sorbents at attachment points to minimize leakage. Tend as necessary based on river flow conditions.
LC-11-03 CB	Potash Brook Lat. 44°26'37.73"N Lon. 73°13'2.61"W	Culvert Blocking Place culvert block and/or set exclusion boom to prevent oil from migrating up or downstream into Potash brook, Shelburne Bay, Lake Champlain, and surrounding environment.	Install culvert block or set up exclusion boom. If inflatable plugs are not available, place plywood or similar sheeting material across the entrance of the culvert. Use plastic sheeting to ensure the seal. Stack adequate sandbags against the plywood sheeting to counter the out flow pressure. Monitor the block to ensure blocking integrity.





Lake Champlain Geographic Response Plan

Shelburne LC-VT-11



Response Resources	Staging Area Site Access	Resources Protected	Special Considerations	ID
Deployment Equipment 450 ft. 12"-18" boom 2 anchor sets 8 anchor stakes 2 shoreside recovery systems Vessels 1 work boat or skiff Personnel/Shift 2 vessel crew (per vessel)/2 shoreside responders Tending Vessels 1 work boat or skiff Personnel/Shift 2 vessel crew (per vessel)/2 shoreside responders	Staging Area: VT F&W Shelburne Bay Fishing Access Area/Boat Ramp Site Access: a.) VT F&W Shelburne Bay Fishing Access Area/Boat Ramp and Shelburne Bay Boat Club b.) Powerline access road behind 4740 Shelburne Rd, Shelburne, VT Via marine waters for deploying and tending boom. Chart 14783	Birds - Nesting Sites, Shorebirds, Wildlife and Migratory Bird Habitat Threatened/Endangered Species – Rare Species (Includes Vermont's Rare and Uncommon Animals) Cultural Resources- Historical/Archaeologic al Sites, Native American Tribal Lands Human use-Boat ramp, Critical infrastructure, Park, Public Drinking Water Supply, Water Intake Land Management- Conservation Area	Lake and river conditions including flow rate and flood stage vary depending on time of year and heavy rain and/or snowfall. Survey site prior to deployment and modify deployment tactics and techniques as appropriate based on observed river conditions. If ice is present GRP tactics and strategies must be reevaluated. Vessel operators should have local knowledge and experience operating in riverine environments. Entire site surveyed: 04/26/17 Field tested: No	LC-11-01 <div>DV</div>
Deployment Equipment 100 ft. 12"-18" boom 1 anchor sets 4 anchor stakes Vessels Same as LC-11-01 Personnel/Shift Same as LC-11-01 Tending Vessels Same as LC-11-01 Personnel/Shift Same as LC-11-01	Staging Area: Same as LC-11-01 Site Access: Same as LC-11-01		Same as LC-11-01	LC-11-02 <div>EX</div>
Deployment (Per Culvert) Transport 1 Truck Equipment 1 inflatable culvert block or 1 sheet of plywood 50-100 sandbags 1 polyethylene sheeting Personnel/Shift 4 shoreside responders	Staging Area and Site Access: Champlain Water District, 403 Queen City Park Rd, South Burlington, VT		Same as LC-11-01	LC-11-03 <div>CB</div>





Site Photographs and Contact Information



Mouth of Laplatte River at Shelburne Bay and site of DV-01a. Shelburne Bay Boat Ramp at upper left.



Mouth of Potash Brook at Shelburne Bay (EX-02). View looks east.



Laplatte River at RT 7 and rail line (site of DV-01b). Access road at left. View looks east.



Potash Brook at Rail line and site of CB-03 looking west. Brook flows from bottom to top of image.

CONTACT INFORMATION:

All VT Fire Departments: **Call 911**

EPA Region 1 Tribal Program: 617-918-1123

Missisquoi National Wildlife Refuge: 802-868-4781

National Response Center: 800-424-8802

VT Comm. on Native American Affairs: 802-779-7015

VT DEC (24-Hour): 800-641-5005

VT Drinking Water & Groundwater: 802-741-5311

VT Emergency Mgmt & Homeland Security:
800-347-0488

VT Fish & Wildlife Dept (Essex): 802-878-1564

VT Hazmat Response Team: 800-641-5005

VT Div of Historical Preservation: 802-272-2509

Champlain Water District (24/7): 802-864-7454

Lake Champlain GRPs have been incorporated into EPA Region One's Inland Area Contingency Plan (ACP) and is available at the following website: https://nrtqa.ert.org/site/doc_list.aspx?site_id=38 or accessed via QR reader-enabled smartphones by scanning the QR code at right.

